

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P944843

Luminaire Tested: **GALN-SB1A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3139 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

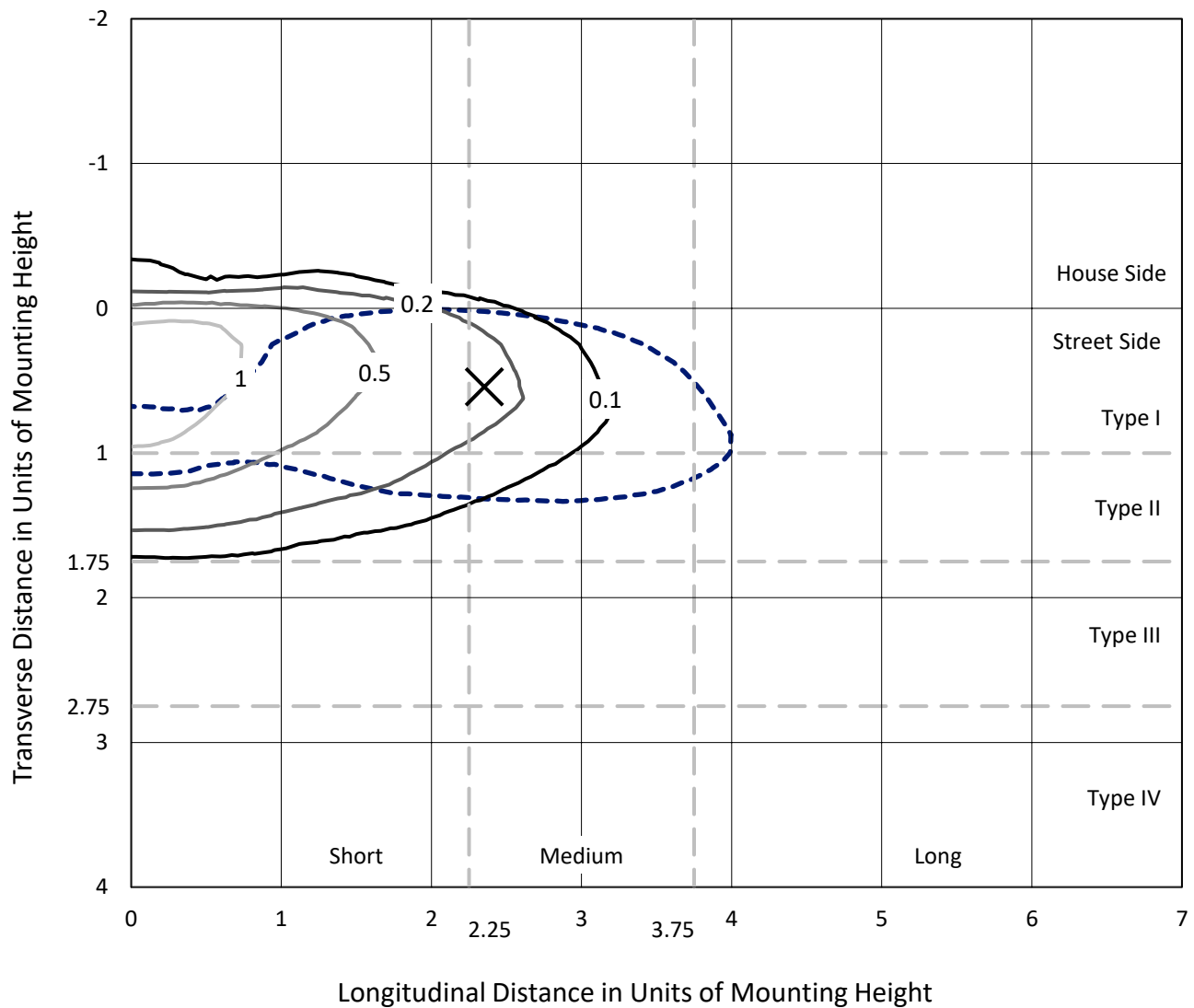


REPORT NUMBER: P944843

CATALOG NUMBER: GALN-SB1A-722-U-T2R-HSS

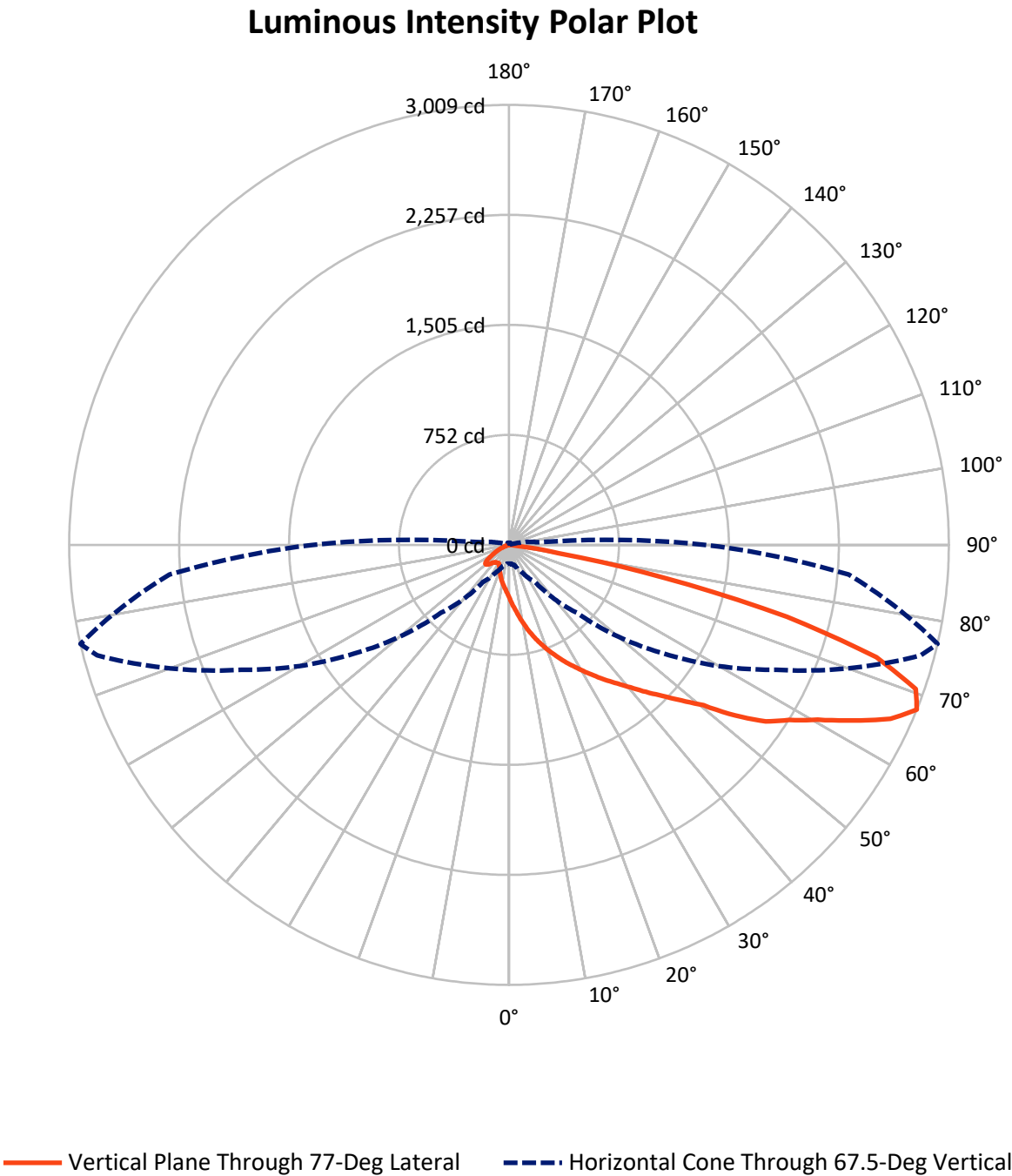
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

REPORT NUMBER: P944843
CATALOG NUMBER: GALN-SB1A-722-U-T2R-HSS



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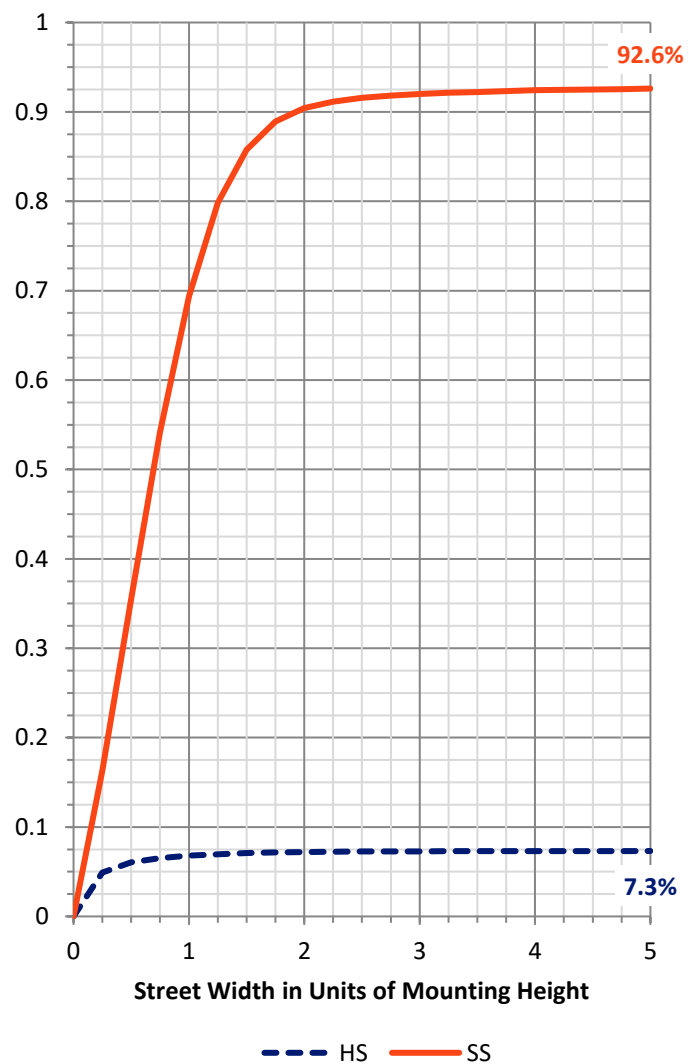
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	230.9	0.0	230.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	2908.1	0.0	2908.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	3139.0	0.0	3139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.2
10°-20°	129.4	4.1
20°-30°	249.7	8.0
30°-40°	433.4	13.8
40°-50°	629.3	20.0
50°-60°	722.7	23.0
60°-70°	627.4	20.0
70°-80°	295.5	9.4
80°-90°	14.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3139.0	100.0
0°-180°	3139.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944843

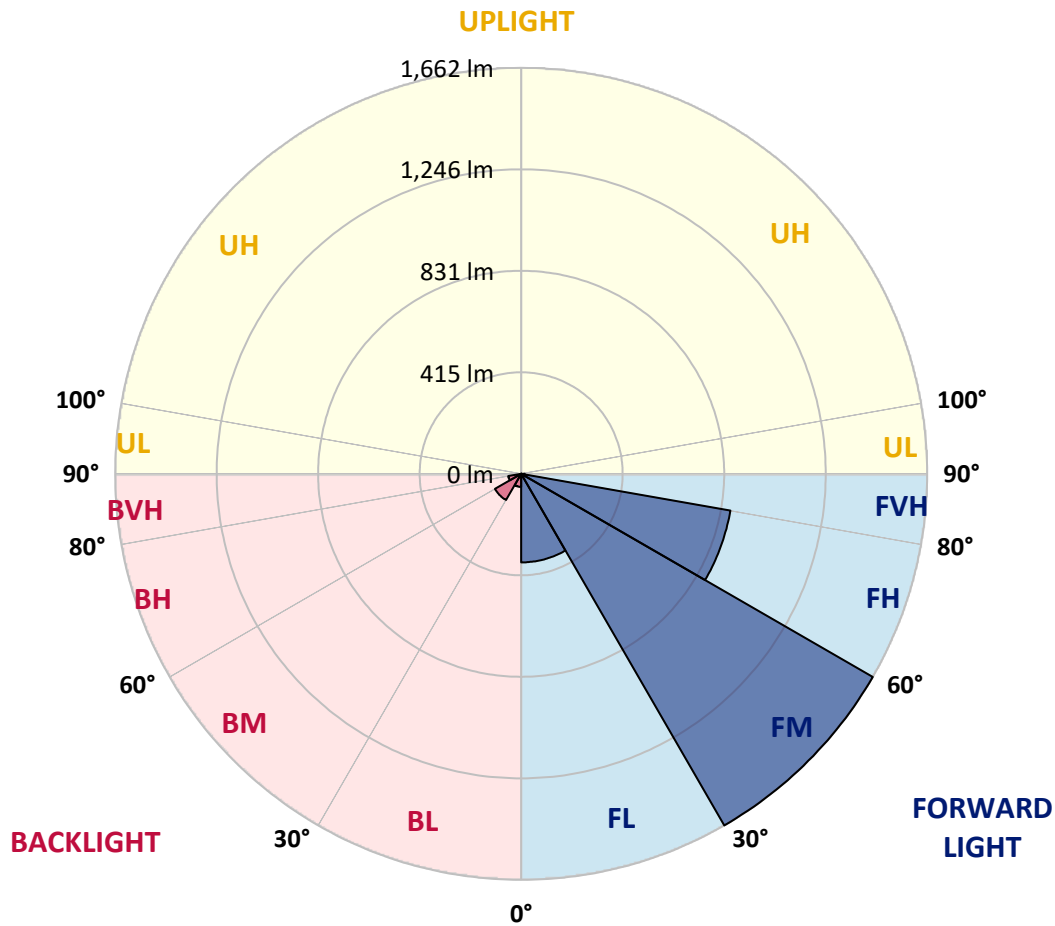
CATALOG NUMBER: GALN-SB1A-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.5	11.5			
FM	(30°-60°)	1661.7	52.9			
FH	(60°-80°)	869.5	27.7			G1/1800
FVH	(80°-90°)	14.3	0.5			G1/100
BL	(0°-30°)	53.5	1.7	B0/110		
BM	(30°-60°)	123.7	3.9	B0/220		
BH	(60°-80°)	53.5	1.7	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



REPORT NUMBER: P944843

CATALOG NUMBER: GALN-SB1A-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
2.5°	501.1	504.3	499.8	491.2	478.3	470.0	449.5	430.2	408.8	401.9	380.5
5°	610.9	613.6	608.6	599.2	582.0	565.7	538.8	498.4	456.5	443.1	405.1
7.5°	692.2	693.7	691.8	683.2	666.8	648.3	618.3	570.5	508.4	493.5	435.3
10°	750.7	755.7	755.1	751.8	740.9	725.9	693.9	639.5	566.4	547.3	469.4
12.5°	789.4	795.1	798.4	805.8	805.2	795.7	767.6	710.1	624.3	601.9	507.8
15°	800.7	806.8	819.5	836.6	851.8	856.7	837.0	779.3	688.1	659.4	547.2
17.5°	794.3	803.7	818.9	846.0	879.3	901.3	899.2	846.2	746.0	713.2	585.7
20°	808.5	817.5	829.4	852.2	891.0	931.0	946.9	910.1	803.5	769.2	626.3
22.5°	887.3	885.7	886.9	890.6	913.8	953.4	986.3	968.2	860.4	825.3	669.2
25°	1012.0	1005.0	993.1	973.1	967.2	986.3	1020.6	1019.6	920.4	882.8	713.0
27.5°	1155.1	1153.9	1126.1	1077.7	1050.4	1043.0	1059.4	1069.7	979.9	939.7	757.1
30°	1292.1	1295.3	1257.6	1203.8	1153.8	1124.7	1109.9	1117.3	1040.3	1001.1	802.5
32.5°	1411.4	1414.8	1373.8	1310.9	1248.9	1213.8	1182.6	1164.3	1106.2	1063.5	852.4
35°	1512.2	1515.5	1468.6	1399.0	1332.9	1301.1	1265.8	1215.7	1172.5	1132.7	908.0
37.5°	1602.3	1601.3	1538.3	1468.2	1403.3	1378.1	1359.6	1279.1	1240.7	1202.3	969.5
40°	1655.5	1659.6	1605.8	1528.4	1465.4	1447.1	1445.9	1357.6	1319.4	1282.2	1037.0
42.5°	1671.1	1678.3	1639.3	1575.8	1518.6	1498.8	1529.4	1442.6	1411.1	1374.8	1113.2
45°	1643.0	1650.0	1632.3	1588.2	1554.9	1542.0	1601.1	1530.7	1508.9	1473.0	1199.2
47.5°	1561.1	1569.9	1574.2	1564.8	1564.5	1577.5	1665.4	1623.5	1625.1	1588.4	1298.8
50°	1402.7	1417.5	1456.9	1490.0	1541.3	1605.6	1728.0	1724.1	1756.1	1724.5	1428.6
52.5°	1114.6	1135.6	1271.3	1361.9	1477.1	1600.3	1796.8	1885.5	1985.9	1939.7	1611.6
55°	895.7	895.7	1006.0	1175.6	1352.0	1565.6	1826.8	1990.4	2142.4	2131.5	1740.5
57.5°	730.2	739.0	809.3	959.2	1170.9	1483.0	1845.3	2056.2	2268.5	2260.5	1866.4
60°	450.7	469.6	602.5	750.5	964.9	1335.8	1833.6	2122.9	2421.5	2428.0	2018.0
62.5°	253.8	260.8	320.1	539.9	750.3	1138.0	1744.2	2160.1	2617.2	2644.5	2174.4
65°	175.2	178.7	201.6	336.0	520.1	906.0	1569.3	2136.9	2813.3	2868.5	2306.9
67.5°	127.3	129.0	143.3	205.3	308.6	656.9	1295.3	2020.0	2917.2	3009.4	2332.3
70°	97.9	99.0	109.4	134.9	182.3	405.4	940.7	1787.4	2842.0	2952.1	2202.4
72.5°	79.5	80.7	88.7	99.8	120.9	239.8	570.2	1451.6	2509.8	2628.7	1875.0
75°	67.1	68.6	75.8	83.0	94.7	154.0	267.4	1010.9	1887.4	1965.4	1303.8
77.5°	37.2	34.3	61.6	68.8	79.9	97.5	125.1	594.9	1057.1	1078.7	578.5
80°	23.2	24.0	48.9	55.4	61.4	49.1	57.3	229.0	366.5	348.1	112.1
82.5°	1.4	3.1	37.6	40.0	42.1	21.1	21.6	77.8	88.3	81.1	19.9
85°	0.0	0.0	17.2	13.8	14.6	6.0	6.2	18.1	11.9	12.9	3.9
87.5°	0.0	0.0	0.0	0.4	0.0	0.6	1.2	1.6	0.6	0.8	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944843

CATALOG NUMBER: GALN-SB1A-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
2.5°	366.8	353.2	325.5	298.4	276.4	255.9	241.3	227.5	220.5	220.1	219.7
5°	378.0	349.3	293.9	245.0	205.6	174.1	153.6	139.0	131.6	129.0	128.6
7.5°	393.6	350.5	266.3	198.2	151.8	124.8	113.1	108.4	106.8	105.1	104.7
10°	413.2	353.2	241.5	159.6	119.7	106.0	101.4	99.4	98.2	97.1	96.7
12.5°	435.3	355.7	216.9	132.5	105.3	98.2	94.9	92.6	91.0	89.7	89.3
15°	456.7	357.3	191.4	113.6	97.9	92.2	88.7	86.2	84.0	82.5	82.3
17.5°	478.0	359.4	167.4	102.3	91.8	86.2	82.6	79.5	77.8	76.0	75.8
20°	501.5	359.0	144.8	94.3	85.8	80.1	76.4	73.5	71.7	69.8	69.6
22.5°	523.4	357.1	124.9	87.5	79.5	74.1	70.0	67.1	65.3	63.7	63.5
25°	548.5	355.5	108.4	81.3	73.7	68.2	63.7	61.0	59.1	57.7	57.5
27.5°	572.7	353.2	96.3	75.6	68.0	62.8	58.5	55.4	53.6	52.6	52.6
30°	596.5	352.6	91.8	70.2	63.0	57.7	53.4	50.5	49.1	48.7	48.5
32.5°	625.1	354.2	93.8	68.2	58.3	53.0	48.9	46.8	45.4	45.4	45.4
35°	655.7	353.8	96.7	70.0	55.2	48.3	45.2	43.9	42.5	42.5	42.5
37.5°	694.1	354.4	99.0	72.9	54.0	44.4	42.7	40.9	40.2	40.2	40.2
40°	751.4	373.7	97.9	75.4	53.6	41.7	38.2	37.6	37.0	37.0	37.0
42.5°	821.6	415.6	99.4	75.6	53.4	39.8	35.1	36.3	34.9	34.7	34.5
45°	898.4	461.4	109.4	71.5	53.2	38.8	33.5	34.9	32.7	32.7	32.7
47.5°	974.6	506.8	119.5	65.7	52.6	38.6	32.2	31.4	30.8	31.0	31.0
50°	1079.7	543.8	123.4	57.7	51.3	38.2	29.6	29.8	29.4	29.8	29.8
52.5°	1194.1	551.6	118.7	48.7	47.4	37.0	27.9	28.7	28.5	28.8	28.8
55°	1265.4	543.3	98.0	40.5	41.3	32.4	26.1	27.7	27.7	27.7	27.7
57.5°	1339.1	507.6	69.6	32.9	34.3	26.5	24.6	26.7	26.5	26.3	26.3
60°	1392.1	449.9	45.8	27.1	27.3	21.8	22.8	25.1	25.0	24.0	24.0
62.5°	1431.7	386.1	29.4	23.0	20.9	19.7	20.9	22.8	22.0	19.9	19.5
65°	1427.2	297.8	22.6	19.7	17.2	17.2	18.1	19.9	17.5	14.0	13.6
67.5°	1344.0	201.6	18.7	16.6	14.4	14.2	15.0	16.6	15.0	11.9	11.5
70°	1195.3	131.8	15.0	12.9	11.5	10.5	12.1	14.2	12.7	9.6	9.2
72.5°	970.1	80.3	11.3	9.4	8.4	6.8	9.6	11.7	10.1	7.0	6.6
75°	627.7	40.9	7.8	6.0	4.5	4.1	7.0	8.8	7.0	4.3	3.7
77.5°	240.1	17.2	4.3	2.7	2.3	1.9	3.9	5.3	2.9	1.0	0.8
80°	46.2	7.2	2.1	1.4	1.2	0.8	0.6	0.4	0.0	0.0	0.0
82.5°	8.0	2.3	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)